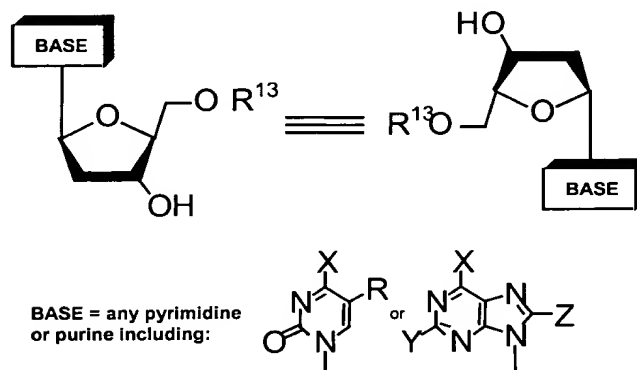


ABSTRACT OF INVENTION

This invention provides processes for the preparation of compounds having the structure:



5 wherein

X and Y are same or different, and H, OH, OR, SH, SR, NH₂, NHR', or NR'R''

Z is H, F, Cl, Br, I, CN, or NH₂.

R is hydrogen, halogen, lower alkyl of C₁ - C₆ or aralkyl, NO₂, NH₂, NHR', NR'R'',
OH, OR, SH, SR, CN, CONH₂, CSNH₂, CO₂H, CO₂R', CH₂CO₂H, CH₂CO₂R', CH=CHR,
10 CH₂CH=CHR, or C=CR.

R' and R'' are same or different, and lower alkyl of C₁ - C₆.

R¹³ is hydrogen, alkyl, acyl, phosphate (monophosphate, diphosphate, triphosphate, or stabilized phosphate) or silyl; and